

Title (en)

MISFIRE DETECTION DEPENDENT ON INTAKE AIR CHARGE FLUCTUATIONS

Title (de)

ZÜNDAUSSETZERERKENNUNG AUS SCHWANKUNGEN DES EINSAUGLUFTSTROMS

Title (fr)

DETECTION DE DEFAUT D'ALLUMAGE SUR LA BASE DE FLUCTUATIONS DE CHARGE D'AIR D'ADMISSION

Publication

EP 0823046 A1 19980211 (EN)

Application

EP 96944333 A 19961213

Priority

- US 9619795 W 19961213
- US 59183896 A 19960125

Abstract (en)

[origin: US5616834A] A misfire detection system and method measures fluctuations of air charge ingested into an engine 303, preferably as fluctuations of the engine's intake air pressure or as fluctuations of the mass air flow. A misfire indication 337 is provided dependent on a behavior of the fluctuations of air charge. Preferably, to eliminate errors associated with engine transient operating conditions, such as acceleration, the fluctuations of air charge are differentiated 325 before a misfire detection mechanism 333 is used to determine misfire behavior.

IPC 1-7

G01M 15/00

IPC 8 full level

G01M 15/09 (2006.01)

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